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   <u>-</u>	OTHER Goldberg, D. E., (1993a			thor, Title, Date, Perting			Technol	ogy for	
MEAH	Developers, 2, 1-8.			<i>F</i>					
MEN	Ohsawa, Y., Benson, N building construction m	etaphor." In <i>Pr</i> e	oceedings of A	Advances in Digital Lib	<i>raries</i> , pp. 12-18.			d on	
NBAH	Takama, Y., & Hirota, K. (2000). "Discovery of topic distribution through WWW information retrieval process."  Proceedings of 2000 IEEE International Conference on Industrial Electronics, Control and Instrumentation, 1644-1647								
MARA	Bingham, E., Kaban, A. Processing Letters, 17(	1), 69-83.			•				
MAH	Graetz, K., Barlow, C., Proceedings of the Inte	rnational ACM	SIGGROUP (	Conference on Support	ing Group Work (	GROUP '97	), 317-3	24.	
MBA	Santanem, E., Briggs, F for Creativity and a New System Sciences, 2004	v Brainstormino	g Technique,"	Proceedings of the 33	" Annual Hawaii i	Internationa	l Contere	ence on	
WRAH	Santanem, E., Briggs, I Proceedings of the 35th	Annual Hawai	ii International	Conference on System	n Sciences, 2899	-2908.			
INJRA	Goldberg, D.E., Sastry K., and Ohsawa Y., "Discovering Deep Building Blocks for Competent Genetic Algorithms Using Chance Discovery via KeyGraphs," (2003) pp. 1-23.								
MEA	Goldberg, D. E., (1993) 37(8), 450-458.	,	•						
MALIN	Kosorukoff, A., & Goldt Genetic and Evolutiona	ry Computation	n Conference	(GECCO 2002), 965-9	<b>72</b> .				
MRAH	Takagi, H. (2001). "Inte	ractive evolutions of the IEEE,	nary computa 89(9), 1275-1	tion: Fusion of the cap 296.	pabilities of EC or	otimization a	ind huma	an	
MATA	Welge, M. E., Auvil, L., (2003). Data to Knowle Supercompany)	Shirk, A., Busl	hell, C., Bajcsy topfated Learn	r, P., Cai, D., Redman, hing Group Technical F	, T., Clutter, D., A Report). Urbana, I	ydt, R., & To L: National (	cheng, D Center fo	., or	
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	OTHER Altus, S., Kroo, I., & G		·	uthor, Title, Date, Pe				inan De	sian		
MBAH	Problems, ASME Journ	al of Mechanic	cal Design, V	ol. 118, December 1	1996.	silion oj r	·	mary De	.sign		
MBAL	Harik, G., Linkage learn Urbana-Champaign, Urb	bana, IL, 1999		··			• • •				
MBH	Lutz, R., Recovering High-Level Structure of Software Systems Using a Minimum Description Length Principle, R.F.E. Proceedings of the 13 <sup>th</sup> Irish International Conference, Artificial Intelligence and Cognitive Science (AICS 2002), September 2002.										
NBAF	Munemoto, M., & Gold IlliGAL Report No. 990	05, Genetic ai	nd Evolutiona	ry Computation Cor	nference (G	ECCO-99	9), Vol. 1, 1	999.			
MBH	Pelikan, M., Goldberg, and Evolutionary Comp Illinois at Urbana-Cham	utation Confer paign, 1999	rence (GECC	O-99), Vol. 1, pp. 52	25-532. Al:	so IlliGA	L TR-99003	3, Unive	Genetic rsity of		
WEAR	Algorithm, NASA TM-	Rogers, J. L., DeMAID/GA User's Guide-Design Manager's Aid for Intelligent Decomposition With a Genetic Algorithm, NASA TM-110241, April 1996.									
MBH	Salman, A., Mehrota, K Evolutionary Computat	ion Conference	e (GECCO-99	9), Vol. 1, pp. 564-5	71, 1999.						
MRIN	Smith, J. On Appropria Evolvable Machines, V	<i>te Adaptation</i> ol. 3, No. 2, pp	Levels for the p. 129-155, 20	Learning of Gene L 002.	Linkage. Jo	urnal of (	Genetic Prog	grammin	g and		
NISA	Goldberg, D.E., Deb, K genetic algorithms. Pro	., Kargupta, Hoceedings of th	, Harik, G.: e Fifth Intern	Rapid, accurate opt ational Conference of	imization of on Genetic	f <i>difficult</i> Algorithn	problems u ns pp. 56-64	sing fasi 1 (1993).	messy		
MOAH	Ohsawa, Y. (2002). Cha (2), 143-163.	ance discoveri	es for making	decisions in comple	ex real world	d. New C	Generation (	Computi	ng, 20		
MEAH	Ohsawa, Y., & Nara, Y. (2002). Understanding internet users on double helical model of chance-discovery process. In Proceedings of the 2002 IEEE International Symposium on Intelligent Control. pp. 844-849.										
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MAL	Goldberg, D. E., "Gene	tic Algorithms	in Search, Opt	imization & Machine Learni	ng," Addisor	Wesley Lo	ngman, l	nc.,
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MACH	5,940,816	08/17/1999	Fuhrer et al.	<del>-                                    </del>	706	13	01/29/1	997
MISHE	5,963,902	10/05/1999	Wang		704	243	07/30/1	997
MEATH	6,490,572	12/03/2002	Akkiraju et a	l	706	19	05/15/1	998
MRAH	6,615,205	09/02/2003	Cereghini et	al.	707	3	12/22/2	000
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